

FIG. 1

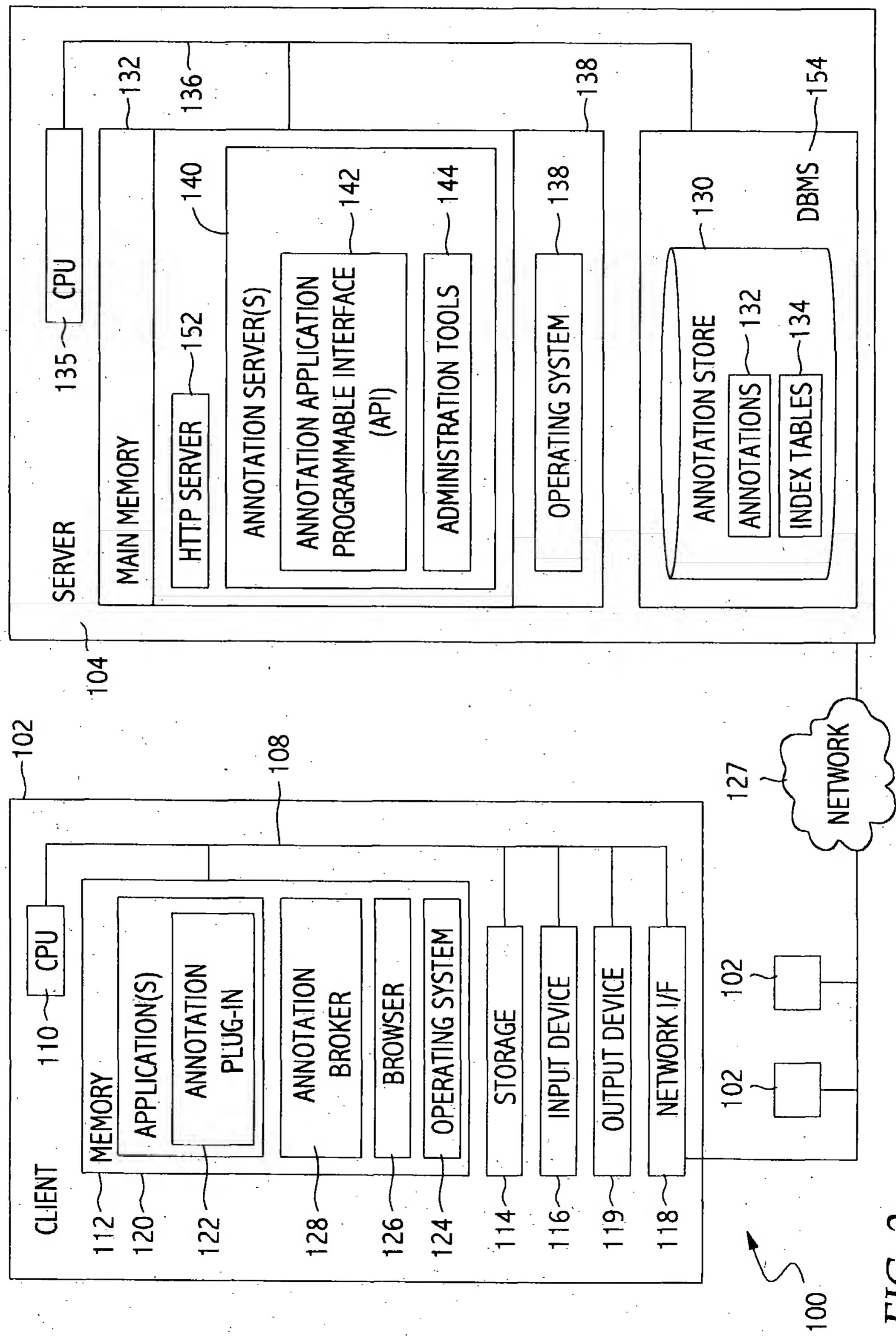


FIG. 2

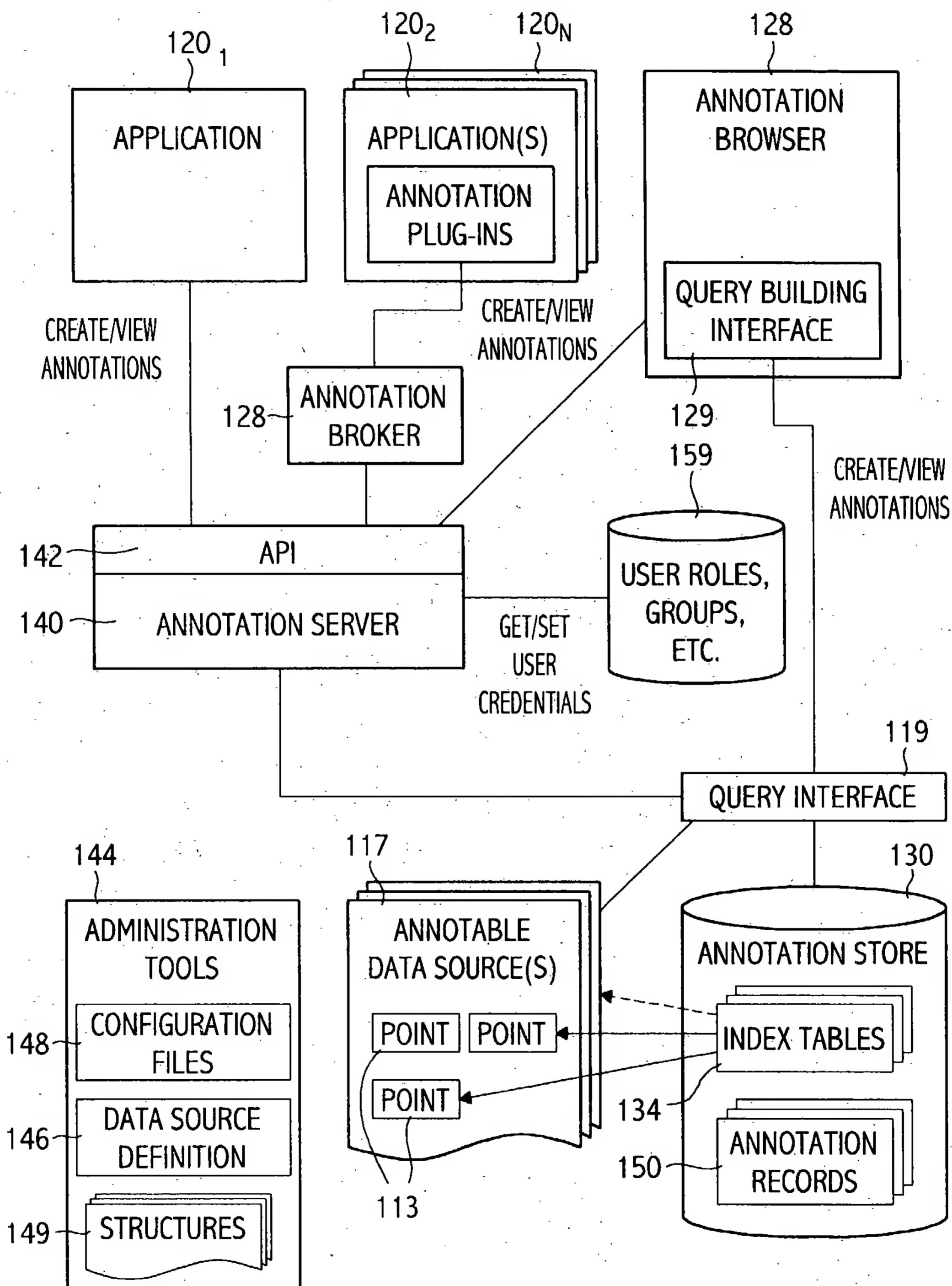


FIG. 3A

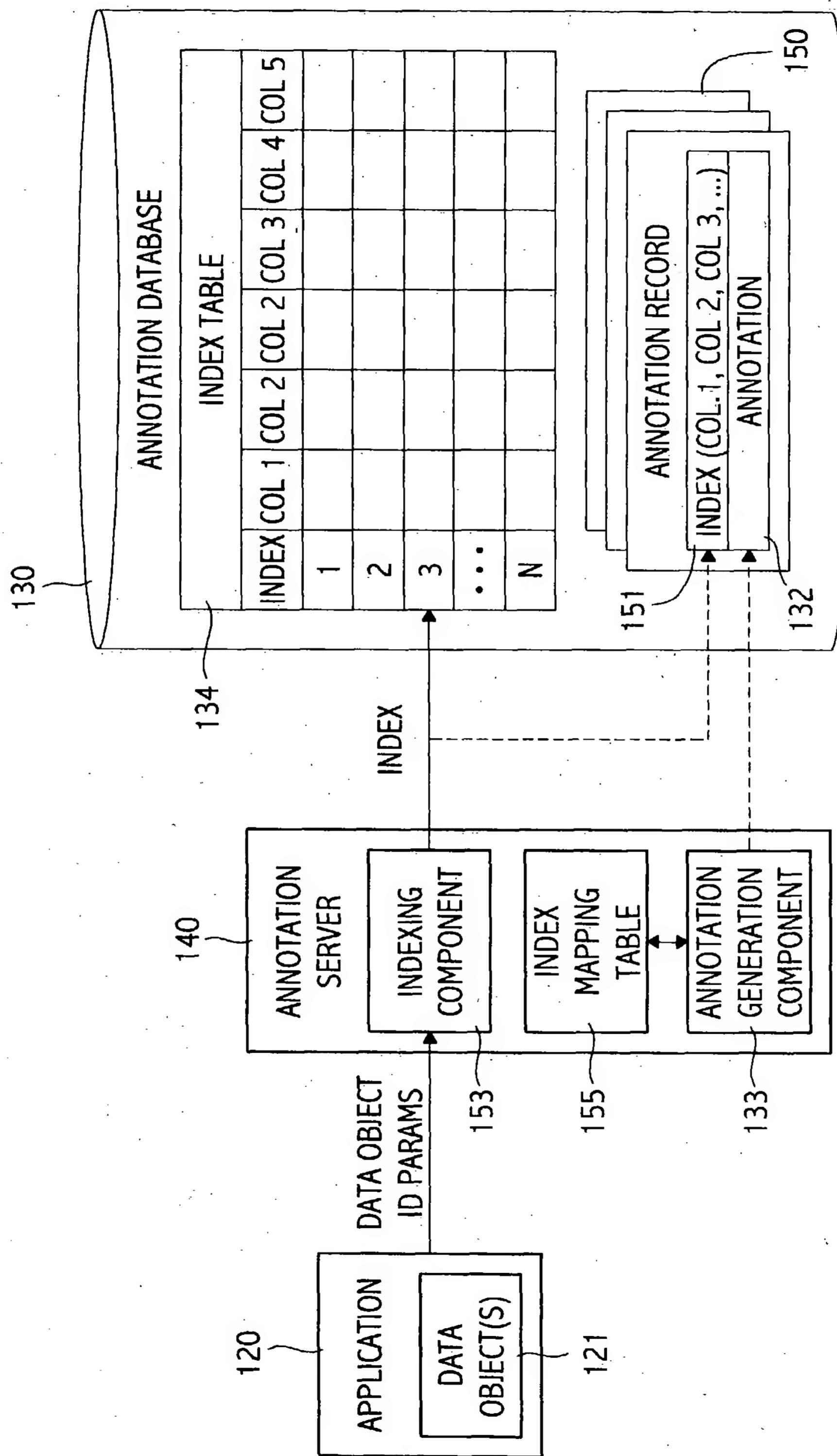


FIG. 3B

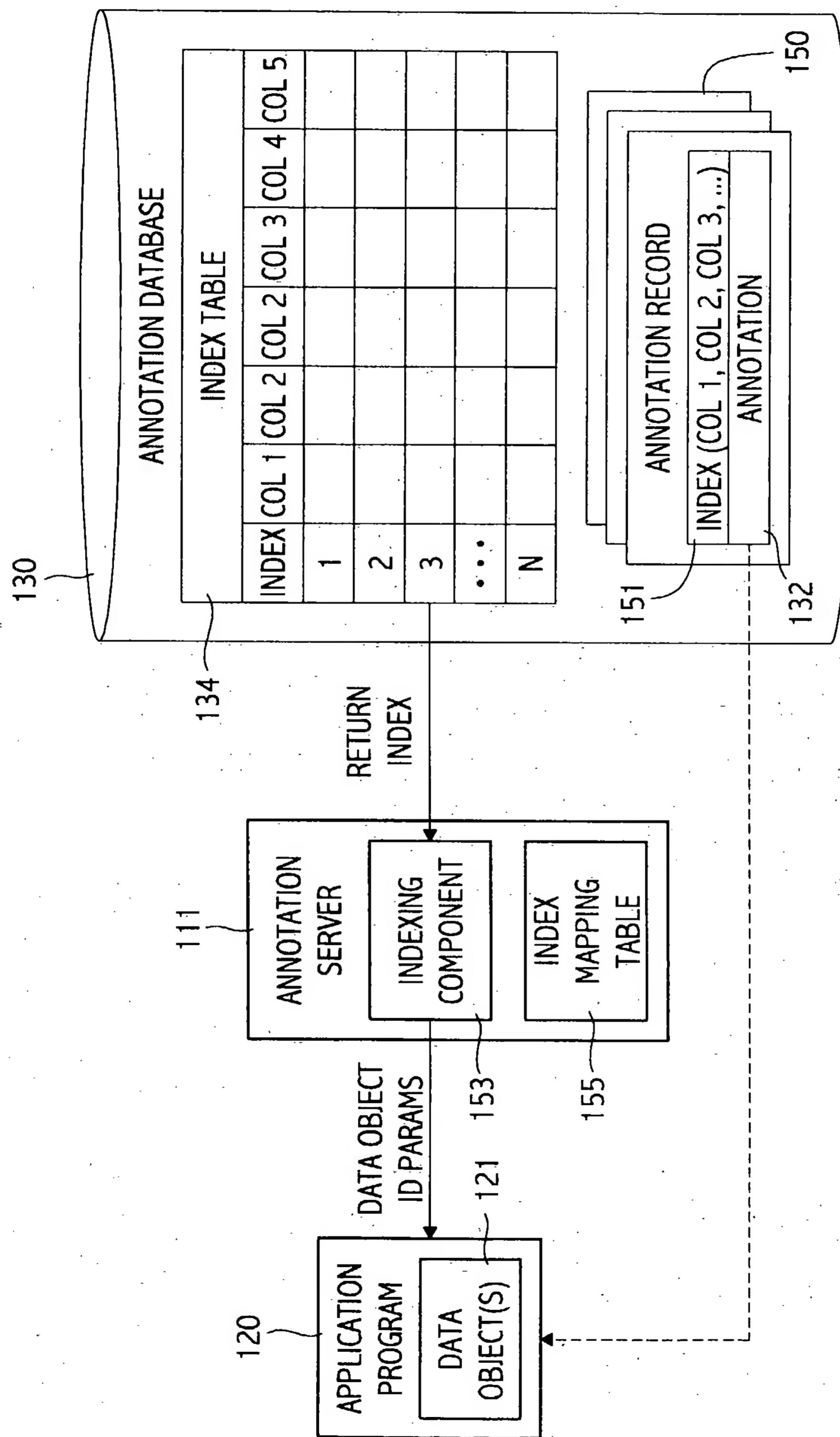


FIG. 3C

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API FUNCTION	DESCRIPTION
QueryRoles	Get a list of roles for the user.
SetRole	Set the active set of roles for the session.
Query Structure Names	Given the data source type and subtype of the target documents and all of the points in those documents the user wants to annotate, return the list of available structures.
QueryStructureTransforms	Given an annotation type returned from QueryStructureNames API, return an array of URLs to XSL transforms.
QueryPoints	Given a GUID, and list of DataSourceVersions, return a list of data sources and the points in the data sources.
QueryAnnotationIDS	Given a list of search criteria, return an array of annotation GUIDs that match the criteria.
GetAnnotation	Return the annotation data for a given GUID
CreateAnnotation	Create a new annotation with provided data and access control information
UpdateAnnotation	Replace specific fields in an annotation which results in a new version of the annotation
DeleteAnnotation	Delete (or hide) the specified annotation
AddPoint	Take an existing Annotation and add a new annotated point to it
DeletePoint	Delete a point from an annotation
QueryAllowedPointTypes	Return the allowed point types and subtypes given a data source type and subtype
QueryDataSourceSubtypes	Return the configured data source subtypes given a data source type

FIG. 3D

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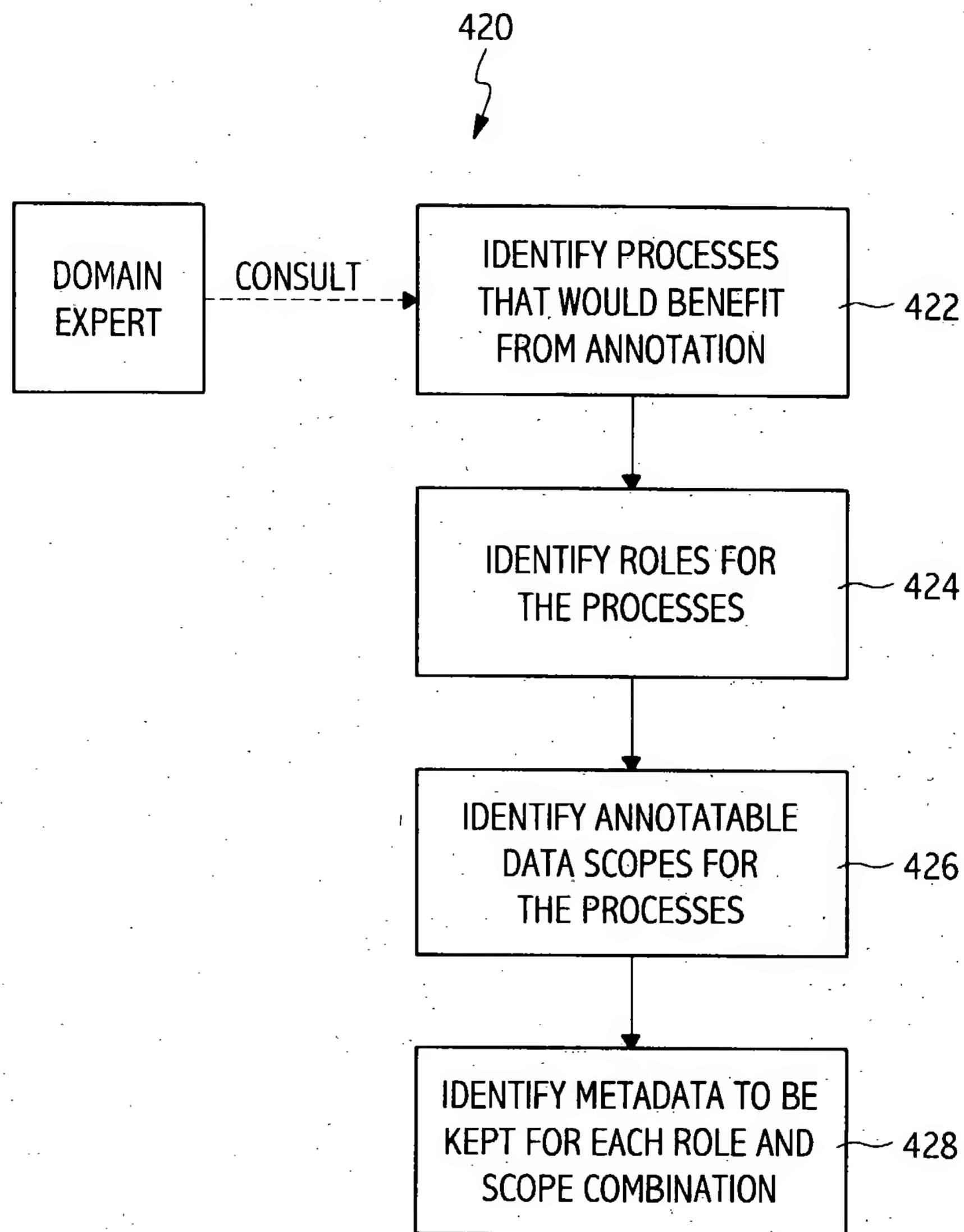


FIG. 4A

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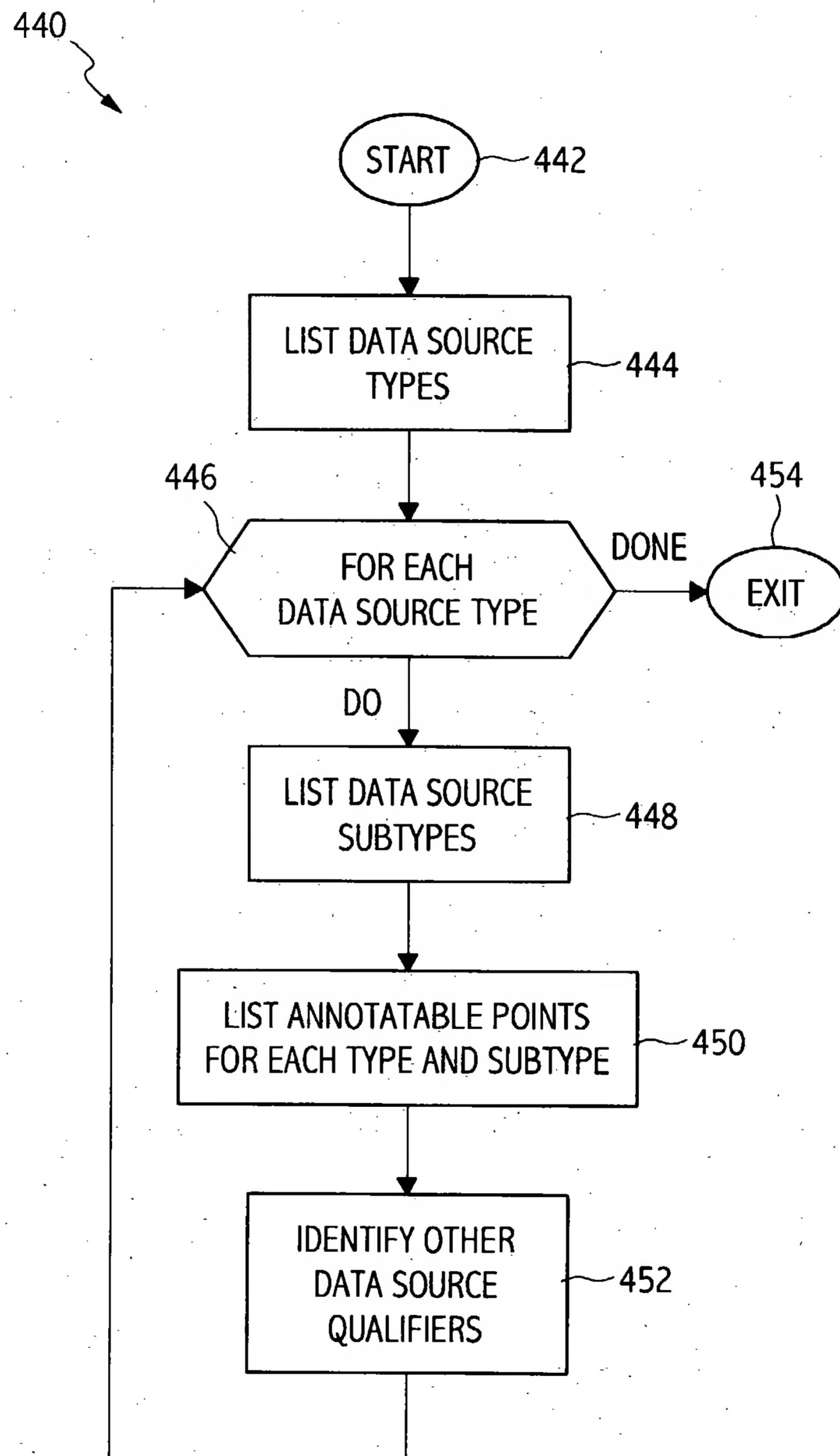


FIG. 4B

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Data Source Type	Point Type	Meta Information
Relational (and Excel)	Table	Table Name
	Column	Table Name, Column Name
	Cell	Table Name, Key, Column Name
	Row	Table Name, Key
Word Document/HTML file	Document	Path
	Word Range	Path, Start character, End character
Spotfire File	Spot	Context, View, Marked Record, Column
	Cluster	Context, View, Marked Record, Column
	Row	Context, View, Marked Record
	Column	Context, View, Column
	File	Context, View
Pdf (requires Adobe Framemaker)	Text	Page, Start word, End word, Start of set, End of set
	Graphic	Page, Top, Left, Bottom, Right

460

FIG. 4C

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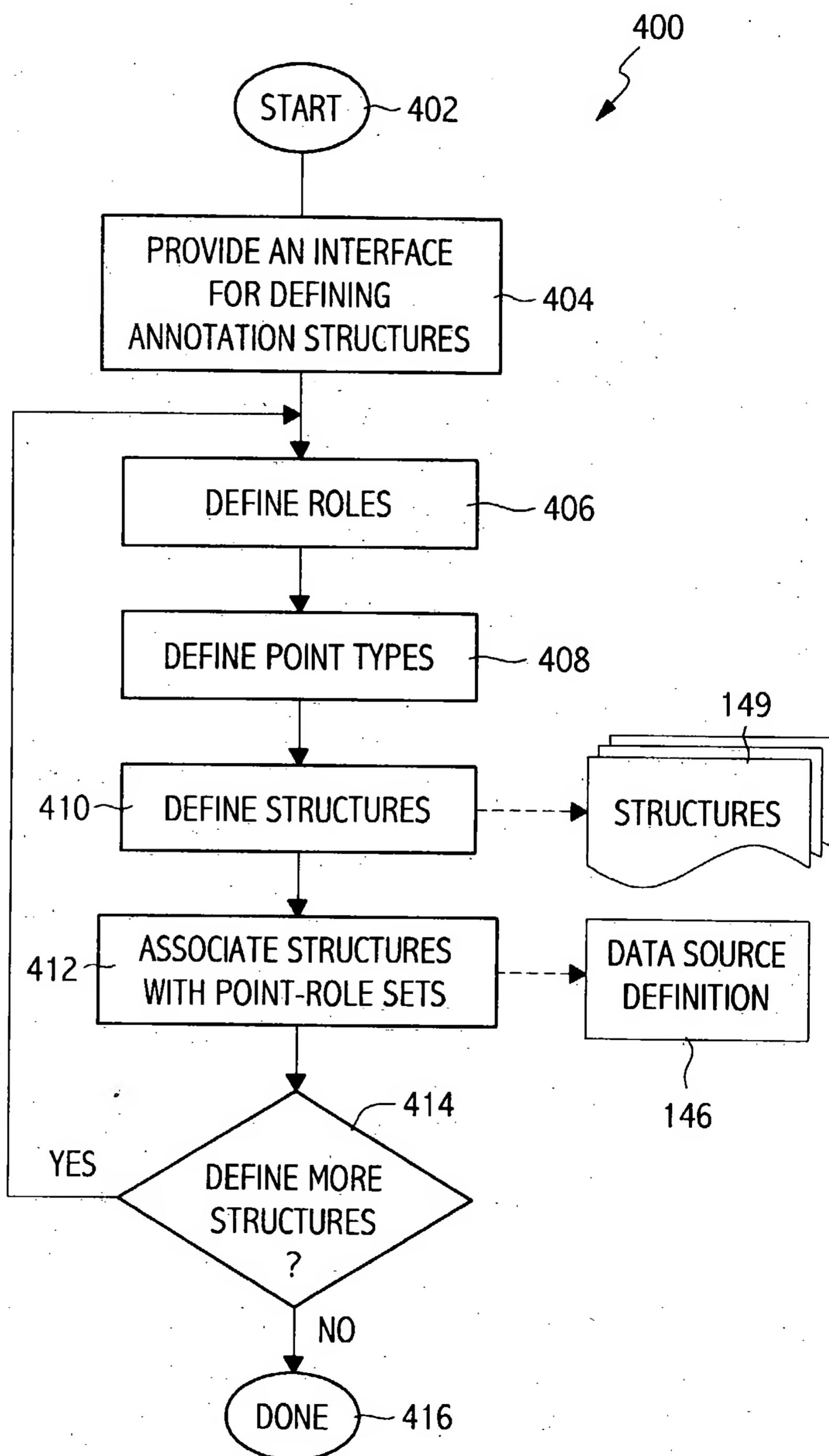


FIG. 4D

ROC920030238US1

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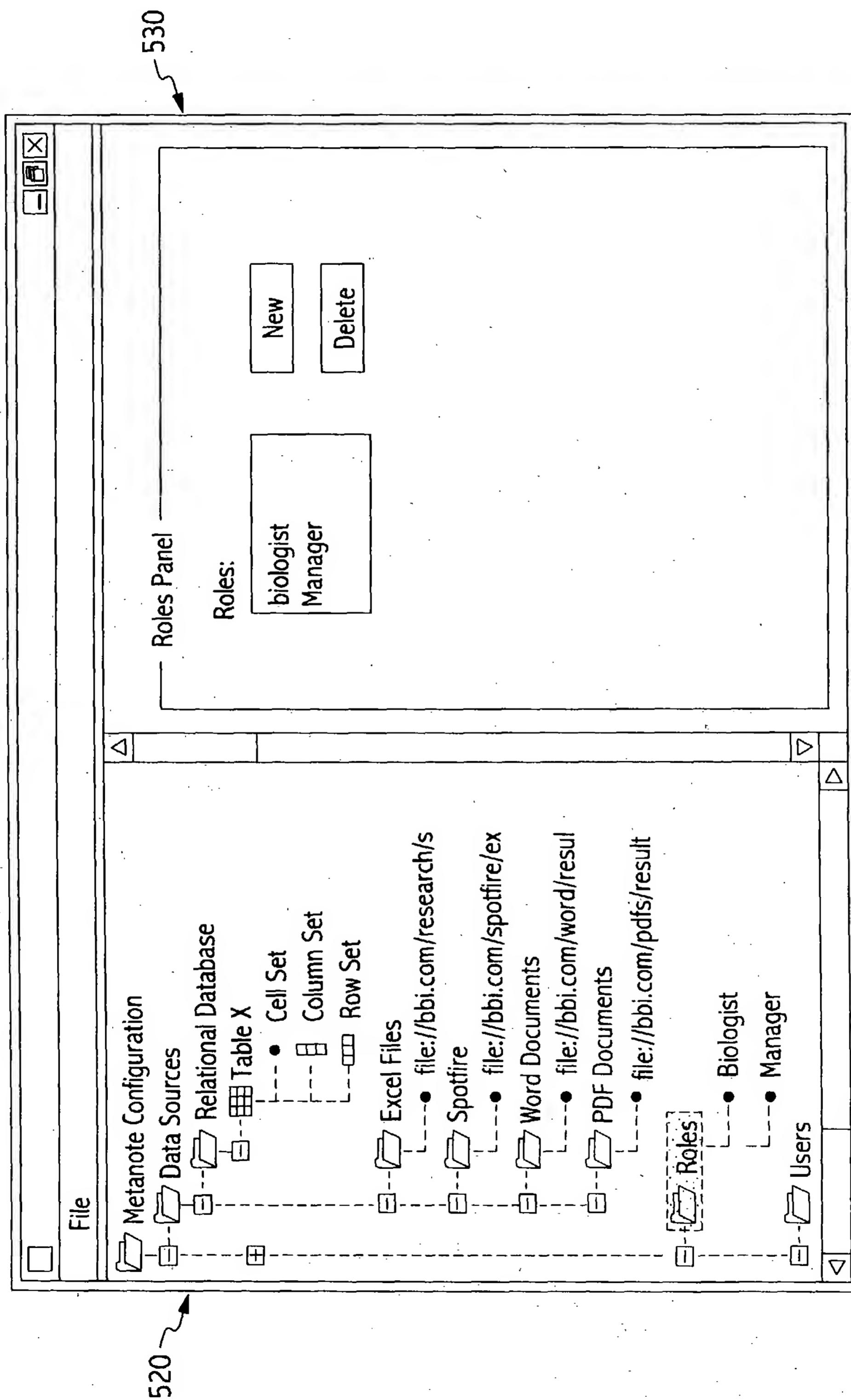


FIG. 5A

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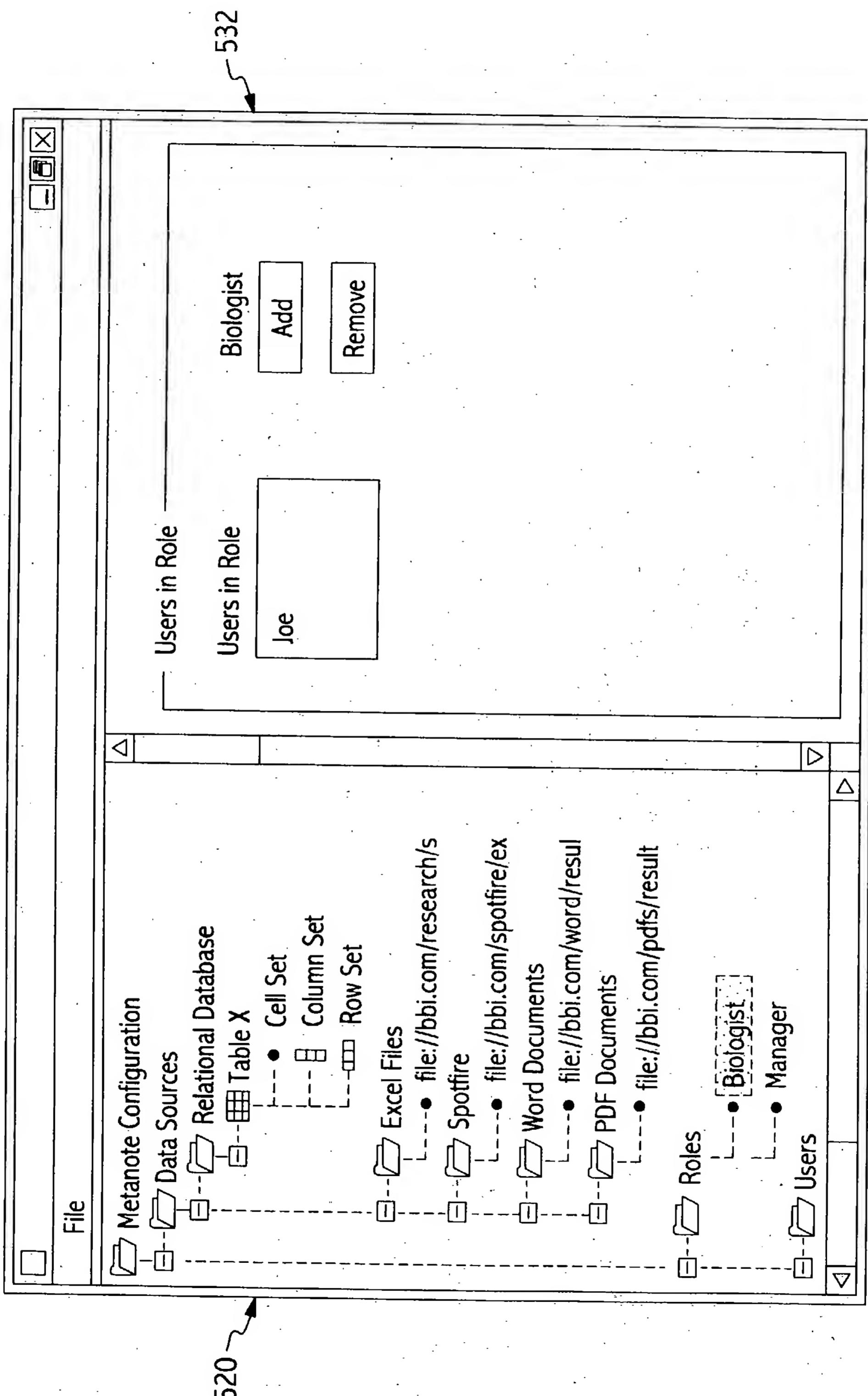


FIG. 5B

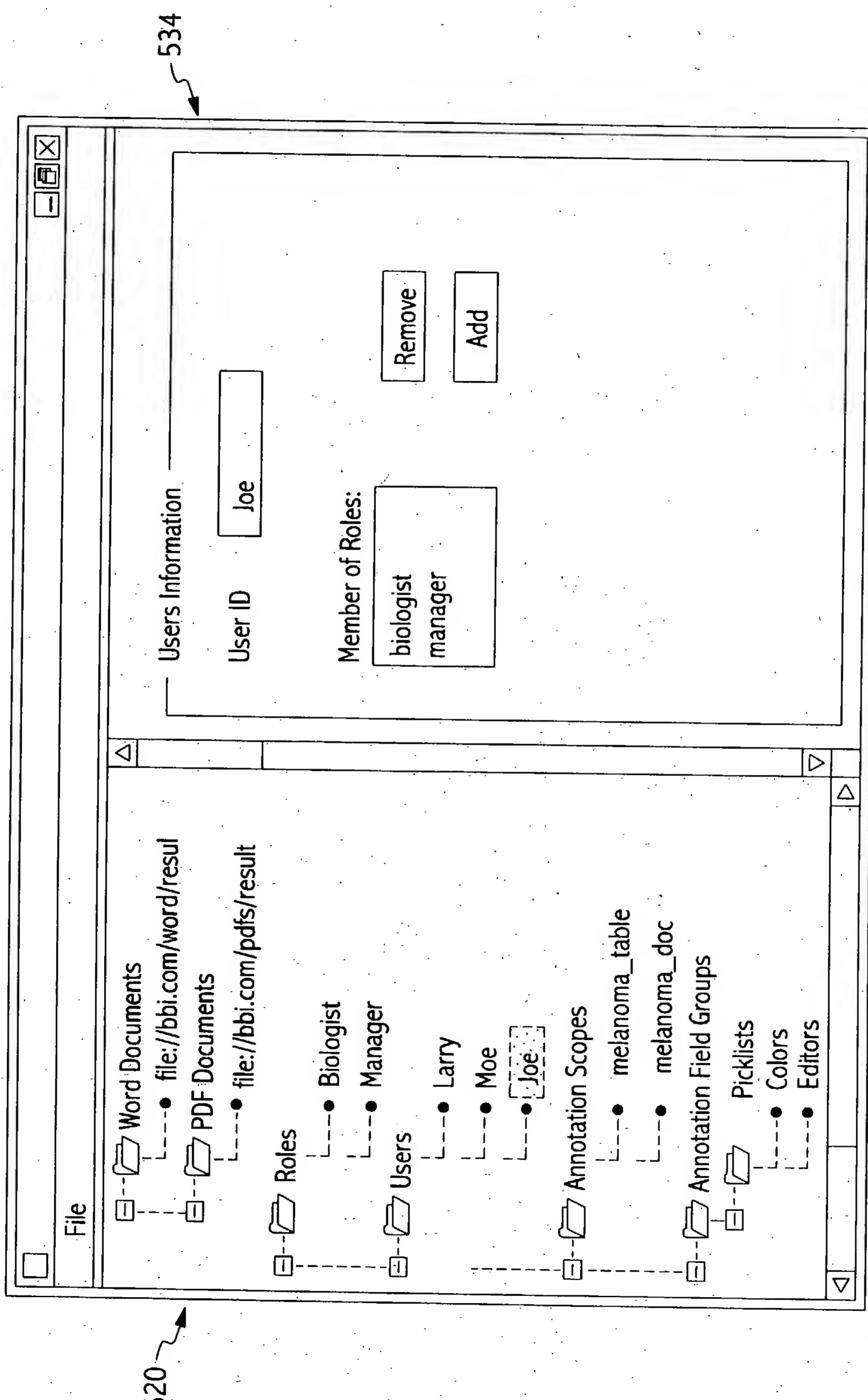


FIG. 5C

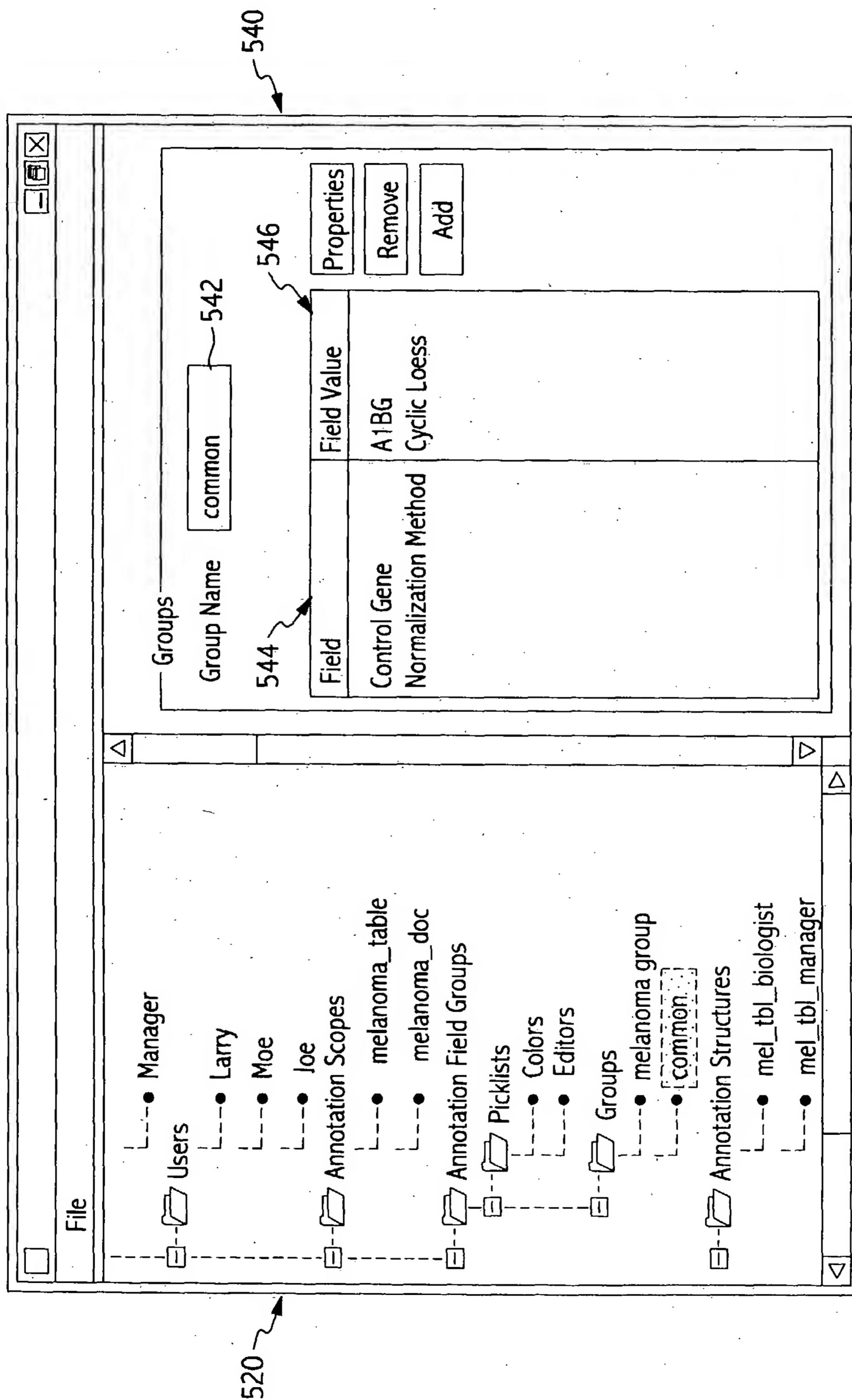


FIG. 5D

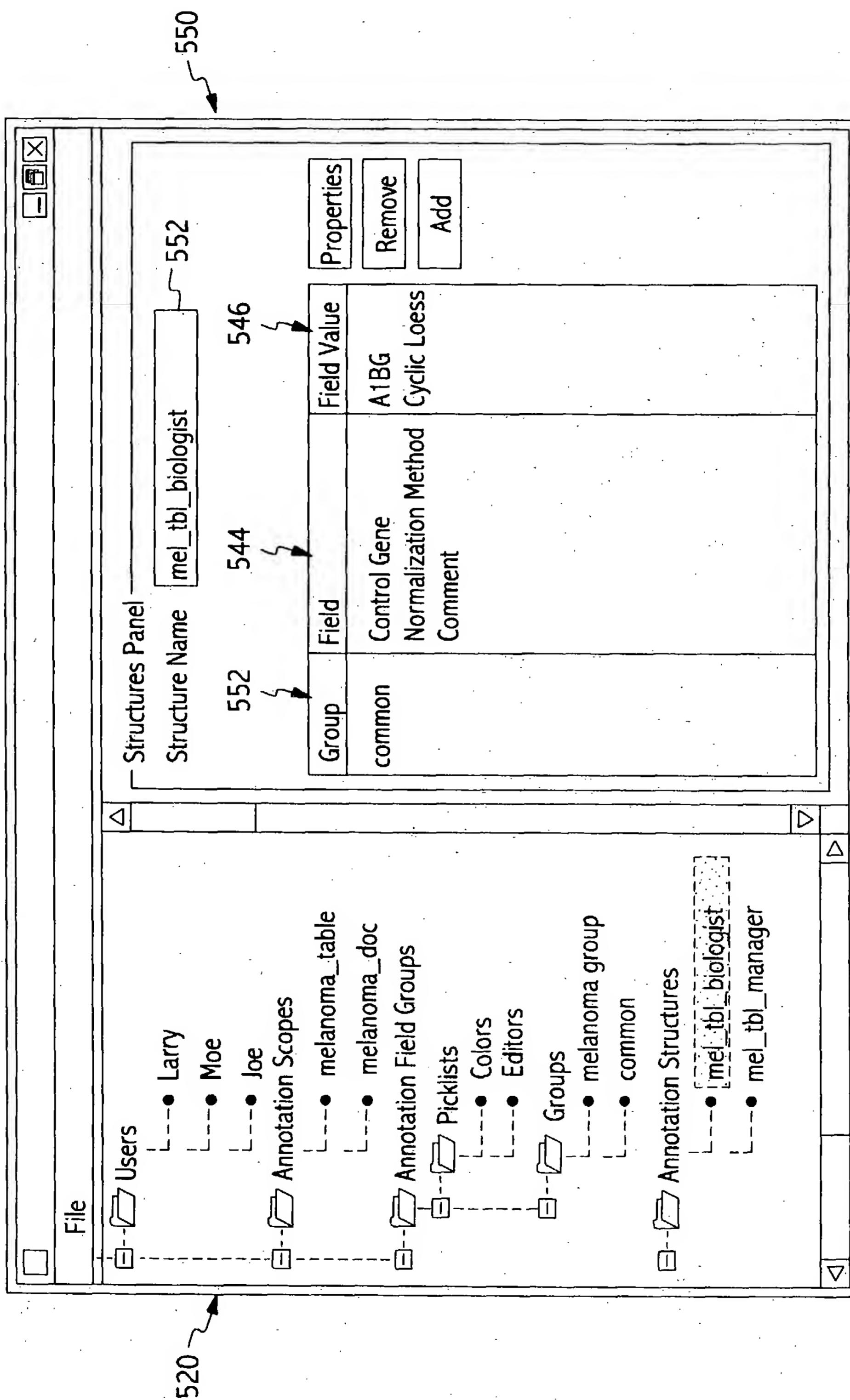


FIG. 5E

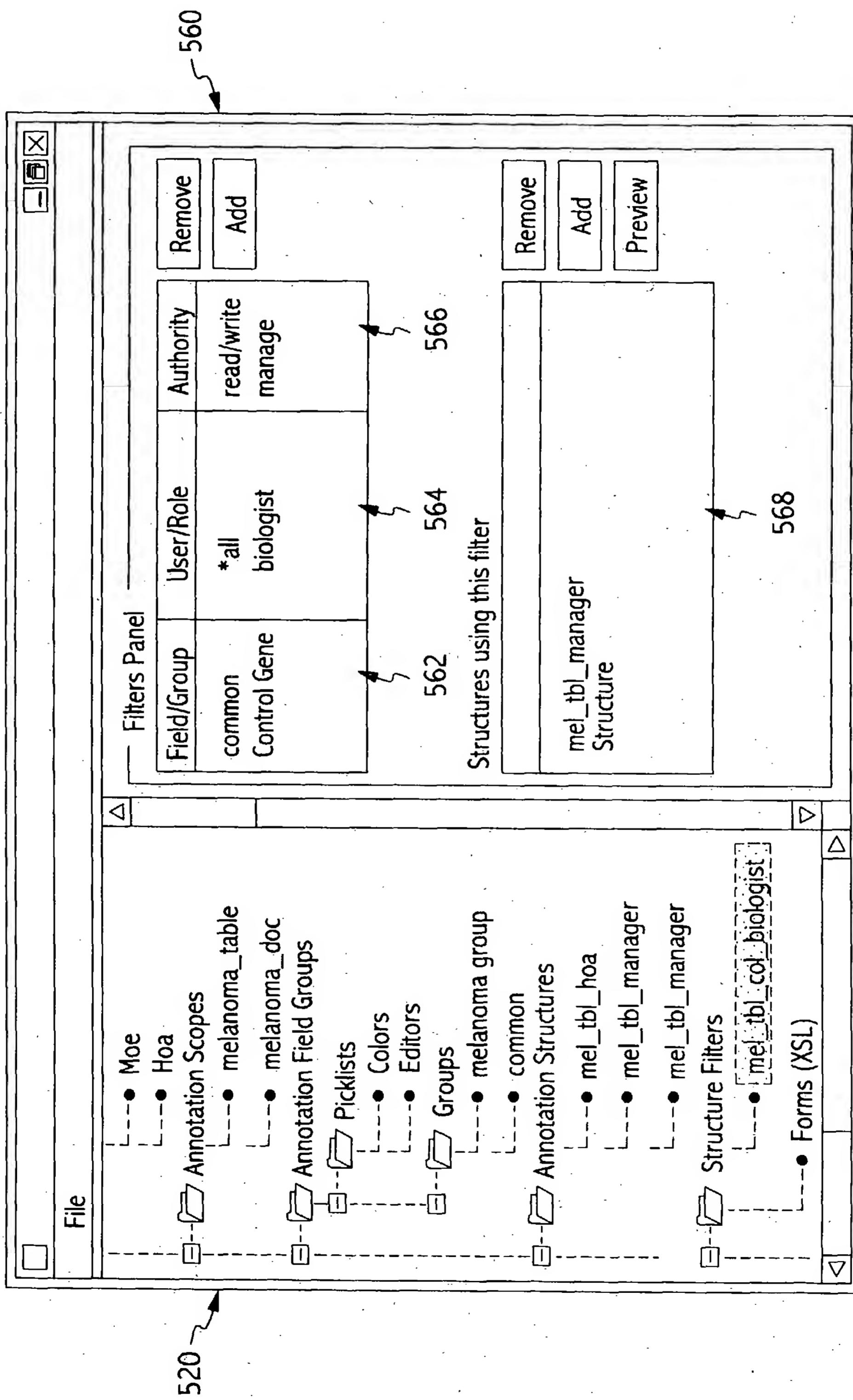


FIG. 5F

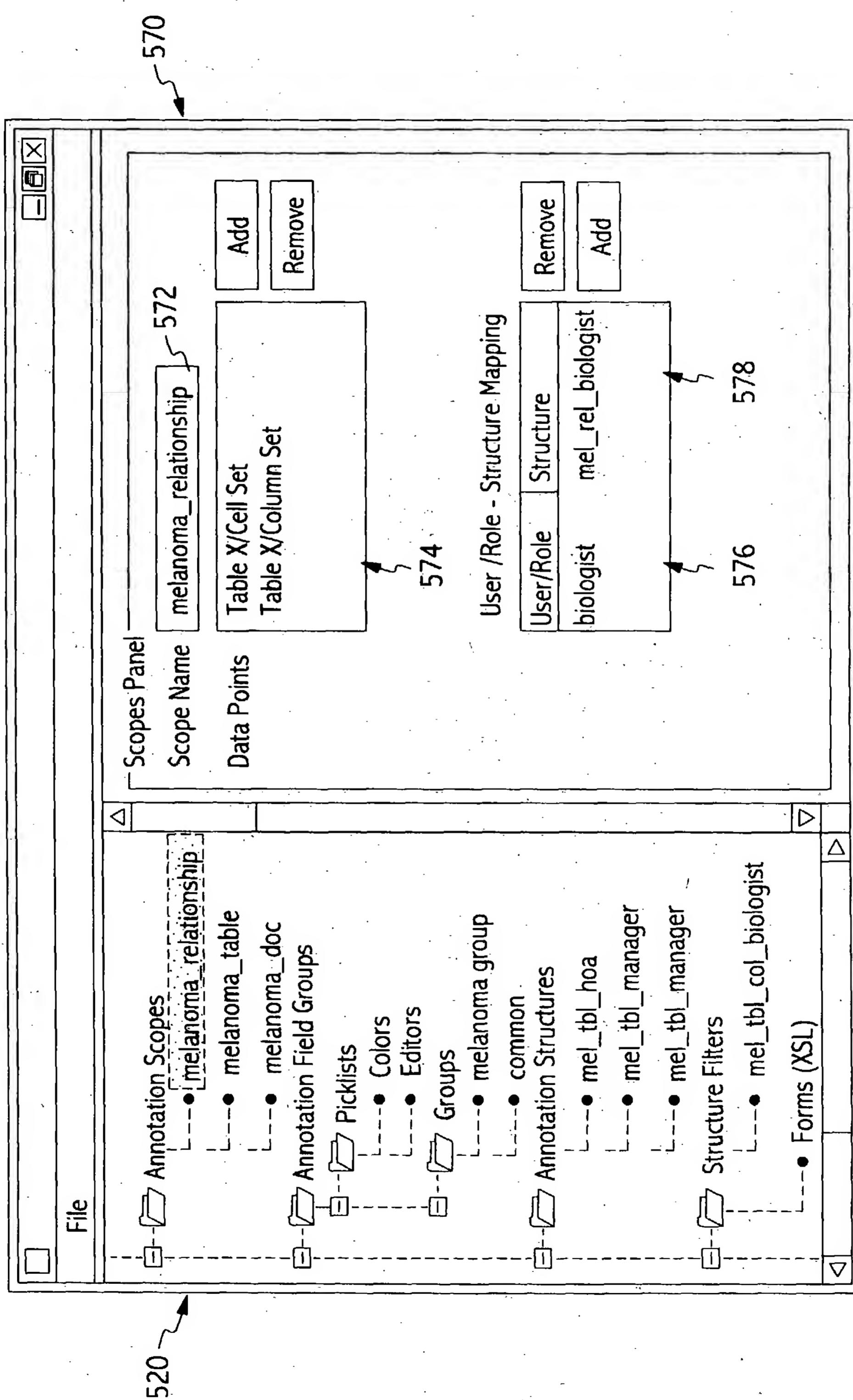


FIG. 5G

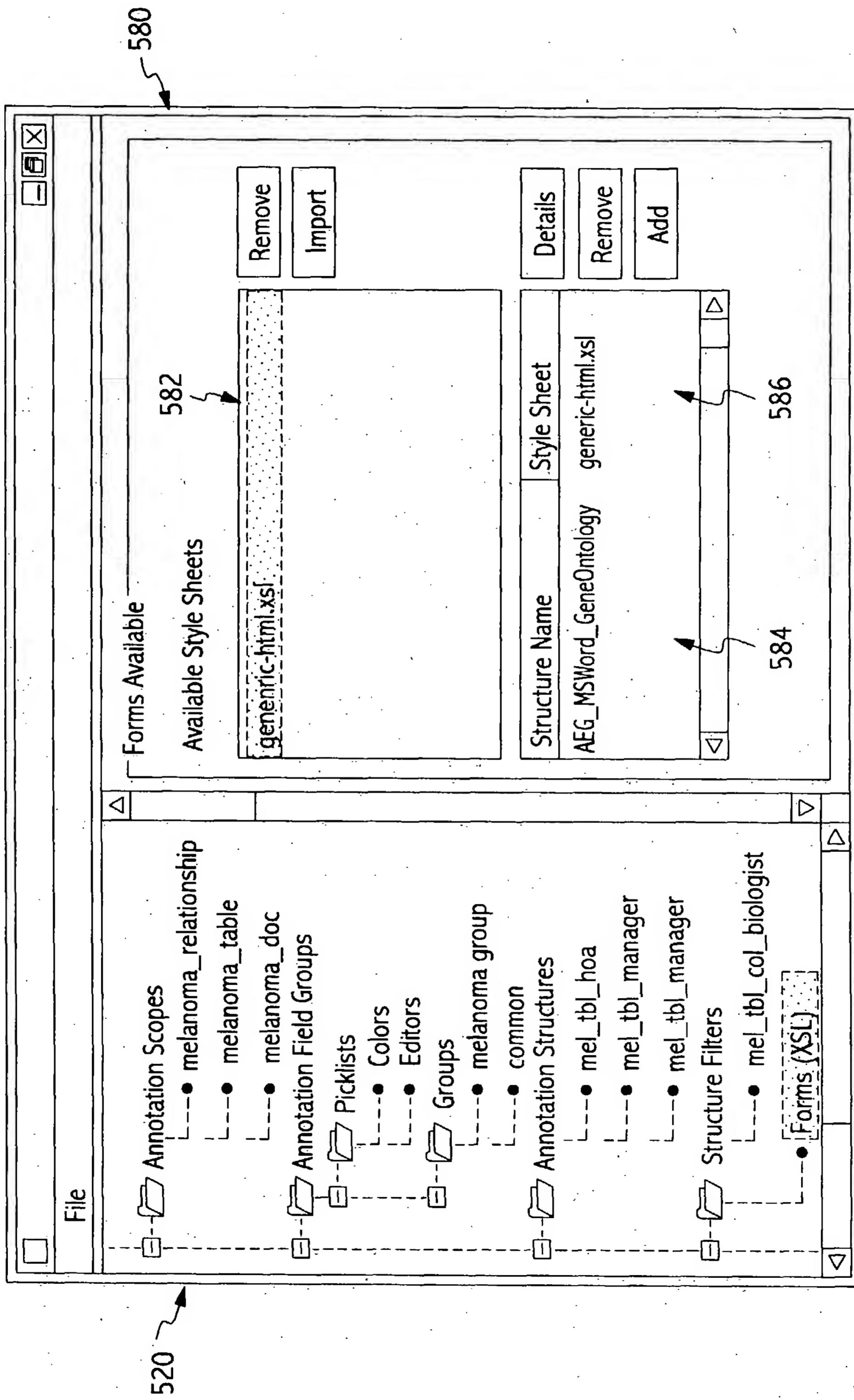


FIG. 5H

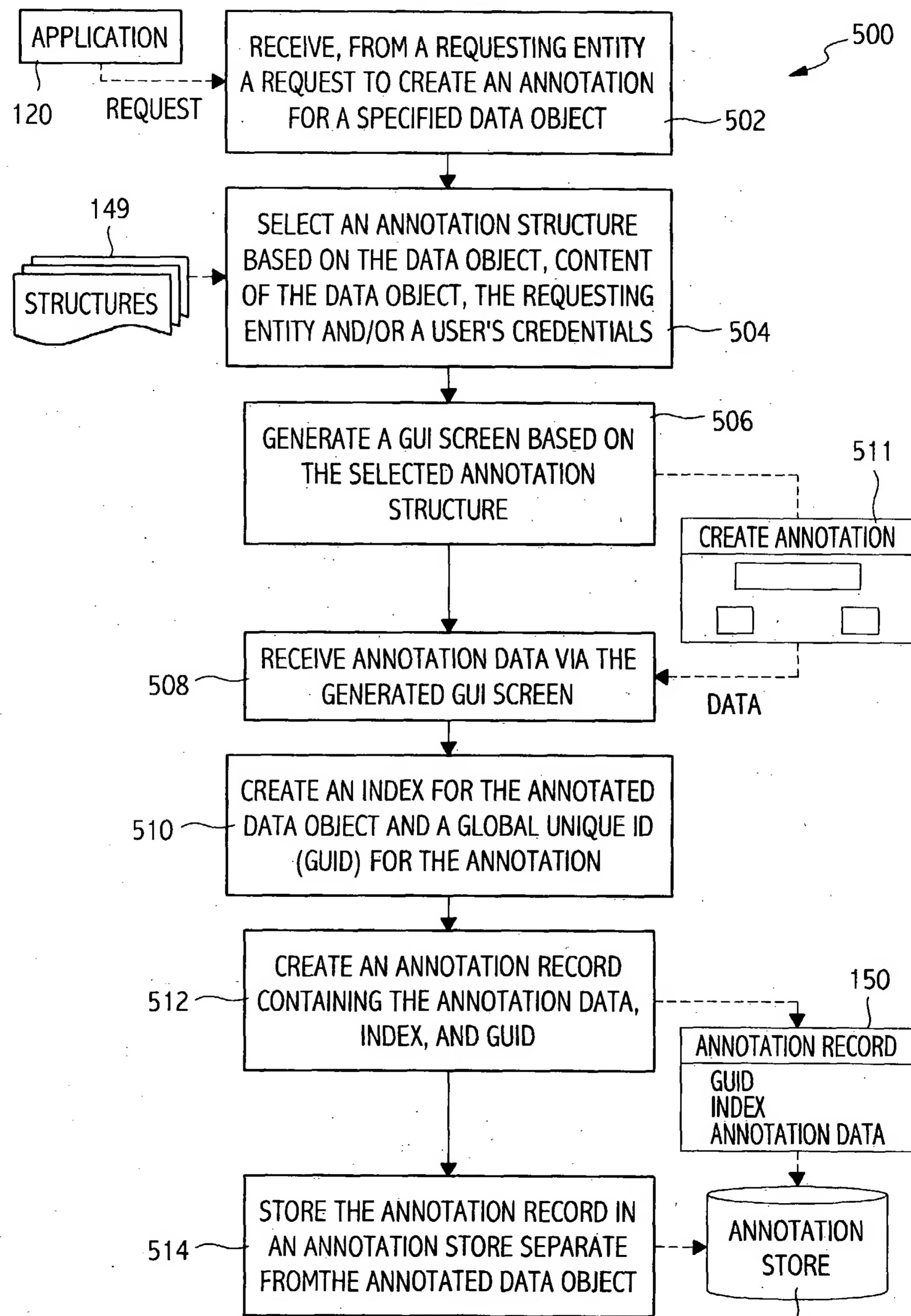


FIG. 6A

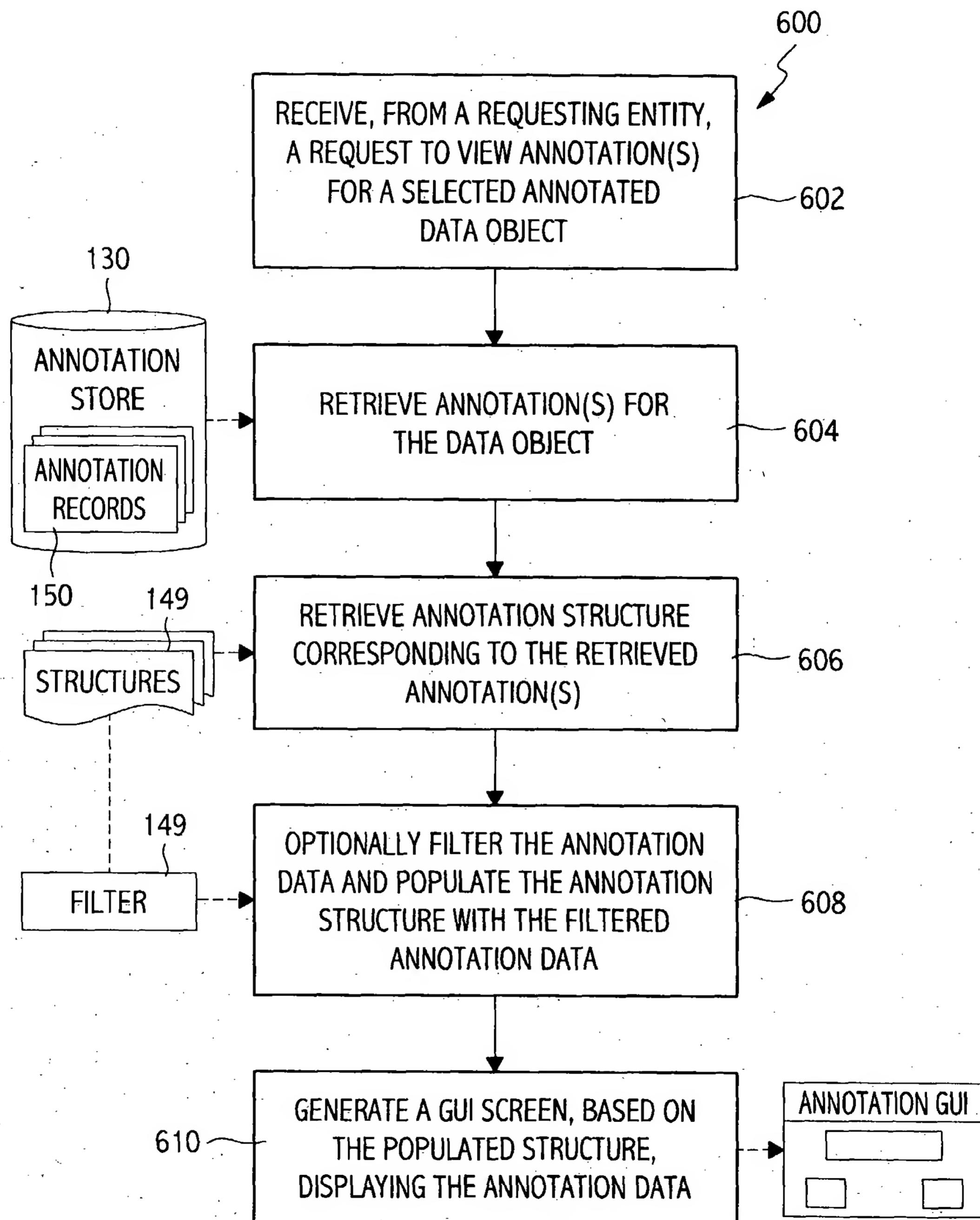


FIG. 6B

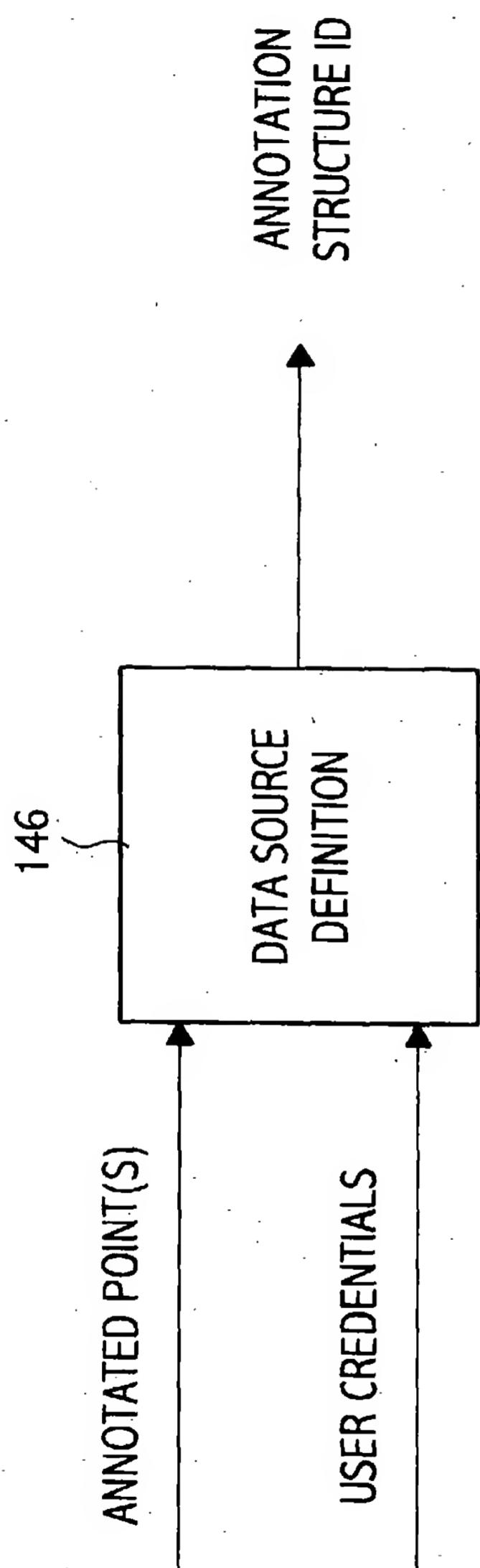


FIG. 7A

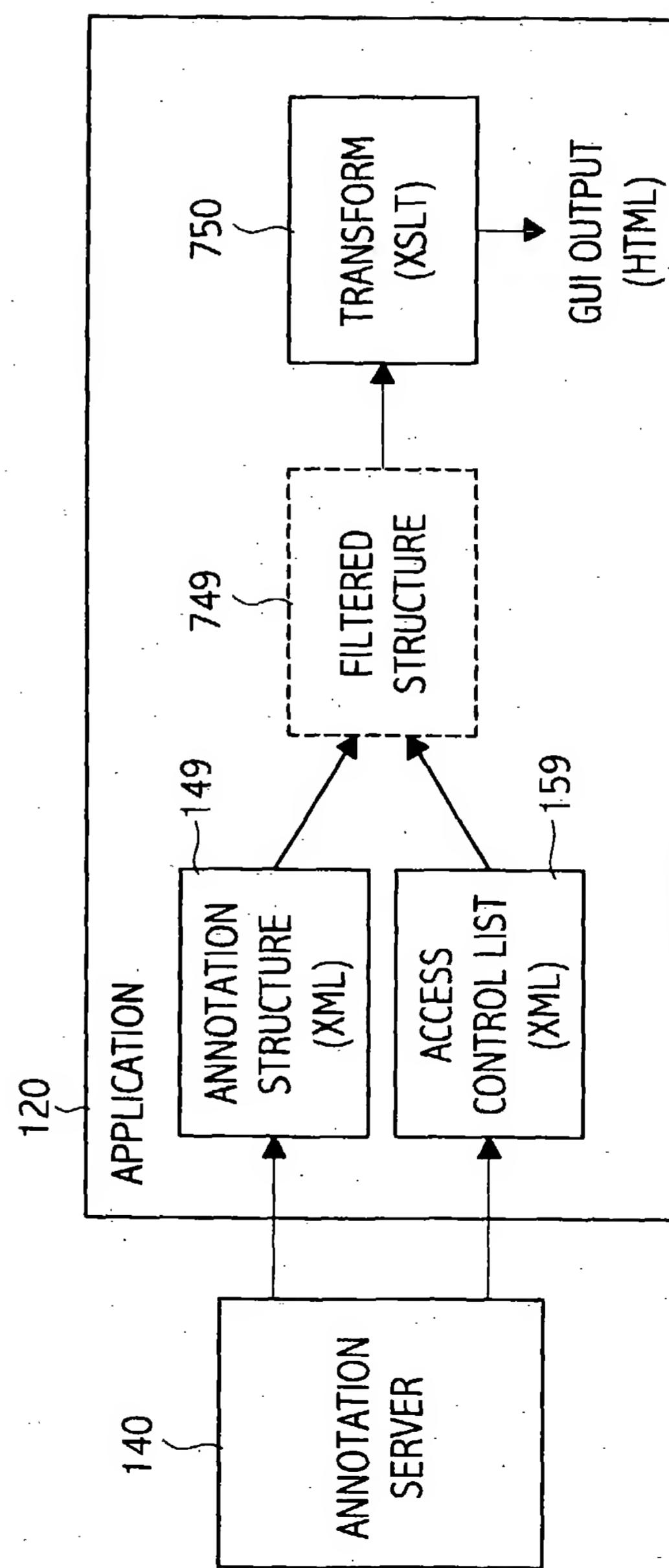


FIG. 7B

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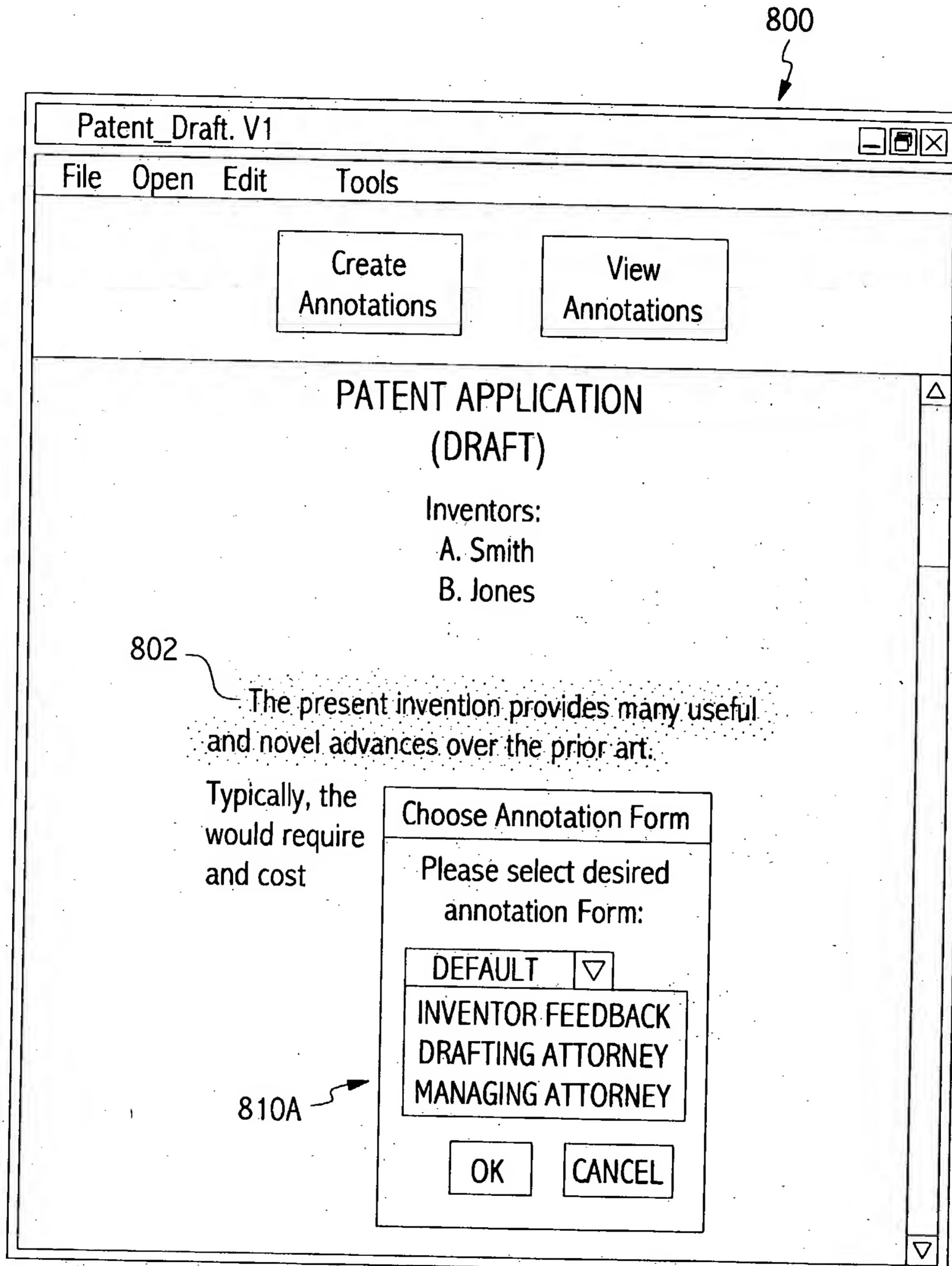


FIG. 8A

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Patent\_Draft. V1

FORM: **DEFAULT**

DEFAULT DATA OR DESCRIPTION:

Quality:  Good  Acceptable  Marginal  Poor

Keywords:

Comments:

FIG. 8B

Patent\_Draft. V1

FORM: **INVENTOR FEEDBACK**

DEADLINE 01/01/01

FEEDBACK

Status:  Good  Acceptable  Needs Revision  Needs More Info

Patent Attorney: C. Moore

Inventor: A. Smith

Inventor Comments:

FIG. 8C

900

910A

Annotation Portal		Annotation Portal	
File	Edit	View	Favorites
breast cancer	<input checked="" type="checkbox"/>	using microarrays to study breast cancer cell lines for the purpose of target identification	
150		2m	
colon cancer		using microarrays to study colon cancer cell lines for the purpose of target identification	
leukemia		using microarrays to study leukemia cell lines for the purpose of target identification	
<p>Annotations Form: Project Status</p> <p>Annotation On: Colon Cancer</p> <p>Made By: Bob Coleman</p> <p>On: Jan. 1, 2002</p> <p>Experiment Set ID: ED01</p> <p>Revision To None</p> <p>Experiment Scope: None</p> <p>Revision To None</p> <p>Experiment Deadline: None</p> <p>Team Deliverable: The number of targets are unchanged. However we now</p> <p>Revision To None</p> <p>Project Budget: None</p> <p>Project Status: <input checked="" type="radio"/> Green <input type="radio"/> Yellow <input type="radio"/> Red</p>			

FIG. 9A

900

Annotation Portal	File	Edit	View	Favorites	Tools	Help																																																								
<input type="checkbox"/> Annotation Portal	<input type="checkbox"/> File	<input type="checkbox"/> Edit	<input type="checkbox"/> View	<input type="checkbox"/> Favorites	<input type="checkbox"/> Tools	<input type="checkbox"/> Help																																																								
<table border="1"> <tr> <td>Annotations</td> <td colspan="6">Form: Data Particulars</td> </tr> <tr> <td>Annotation On:</td> <td colspan="6">ME_SK_ME_2E</td> </tr> <tr> <td>Made By:</td> <td colspan="6">John Petri</td> </tr> <tr> <td>On:</td> <td colspan="6">Jan. 1, 2002</td> </tr> <tr> <td>Experiment ID:</td> <td colspan="6">ME_SK_ME_2E</td> </tr> <tr> <td>Scanner Setting:</td> <td colspan="6">ATF 24</td> </tr> <tr> <td>control_target_id</td> <td colspan="6">/demo/raw_data/ME_SK</td> </tr> <tr> <td>melanoma</td> <td colspan="6"> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </td> </tr> </table>							Annotations	Form: Data Particulars						Annotation On:	ME_SK_ME_2E						Made By:	John Petri						On:	Jan. 1, 2002						Experiment ID:	ME_SK_ME_2E						Scanner Setting:	ATF 24						control_target_id	/demo/raw_data/ME_SK						melanoma	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
Annotations	Form: Data Particulars																																																													
Annotation On:	ME_SK_ME_2E																																																													
Made By:	John Petri																																																													
On:	Jan. 1, 2002																																																													
Experiment ID:	ME_SK_ME_2E																																																													
Scanner Setting:	ATF 24																																																													
control_target_id	/demo/raw_data/ME_SK																																																													
melanoma	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																																																													

910B

Annotation Portal

Annotations

Form: Data Particulars

Annotation On: ME\_SK\_ME\_2E

Made By: John Petri

On: Jan. 1, 2002

Experiment ID: ME\_SK\_ME\_2E

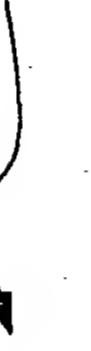
Scanner Setting: ATF 24

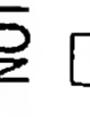
Type=GenePix Results 1.3  
 Date/Time=2001/01/02 16:52:34  
 Settings+E:\xxx\newolahcose1\  
 GaFile=G:\xxx\ch7idngl.txt  
 Scanner=GenePix 4000A (55448)  
 Comment=  
 PixelSize=10  
 "ImageName=35 nm 532 nm"  
 "PMTVolts = 600 600"  
 JpegImage=E:\mai\newolahcose1  
 Creator=GenePix Pro 3.0.6.21

FIG. 9B

Annotation Portal	
<input type="checkbox"/> File <input type="checkbox"/> Edit <input type="checkbox"/> View <input type="checkbox"/> Favorites <input type="checkbox"/> Tools <input type="checkbox"/> Help	
<input type="button" value="Home"/> <input type="button" value="▼"/>	
Welcome	
Annotation Rules	
Annotation Browser	
User: 1bata	
Search: Unnamed	
SEARCH CONDITIONS	
ACTION	NOT
Delete	<input type="checkbox"/> (PROJECT_NAME = target_identificatio-01)
AND	<input type="checkbox"/> (Spottfire Row Relevance of Observation = Extremely High)
Delete	<input type="checkbox"/> 1042
Add Condition	<input type="button" value="Group"/> <input type="button" value="Ungroup"/> <input type="button" value="Apply"/> <input type="button" value="Reset"/>
OUTPUT	
Change Data	<input type="button" value="Change Format"/>
SEARCH	
Run	<input type="button" value="Save"/> <input type="button" value="Show Query"/> <input type="button" value="Cancel"/>

1040 

1042 

(PROJECT\_NAME = target\_identificatio-01) 

(Spottfire Row Relevance of Observation = Extremely High) 

FIG. 10A

1000  
↓

Annotation Portal

File Edit View Favorites Tools Help

Home ▾

Welcome

Annotation Rules

Annotation Browser

User: 1bata

Search: Unnamed

ADD A SEARCH CONDITION

SEARCHABLE DATA FIELDS

<input type="radio"/> Project	PROJECT_ID ▾
<input type="radio"/> Column Name	PROJECT_ID ▾
<input type="radio"/> Experiment	EXPT_SET_NAME ▾
<input type="radio"/> experiment_set	EXPT_SET_ID ▾
<input type="radio"/> data_sets	PROCESS_ID ▾

1010

SEARCHABLE ANNOTATION FIELDS

<input type="radio"/> Annotation	Link ID ▾
<input type="radio"/> Annotation Data	GUID ▾
<input type="radio"/> Suggested Analysis Methods	Key ▾
<input type="radio"/> Reference Data	Key ▾
<input type="radio"/> Keyword Data	Key ▾

1020

Next Cancel

FIG. 10B

1000

Annotation Portal

File Edit View Favorites Tools Help

Home

Welcome

Annotation Rules

Annotation Browser

User: 1bata

Search: Unnamed

ADD A SEARCH CONDITION

**SEARCHABLE DATA FIELDS**

<input type="radio"/> Project	<input type="text" value="PROJECT_ID"/> <input type="button" value="▼"/>
<input type="radio"/> Column Name	<input type="text" value="PROJECT_ID"/> <input type="button" value="▼"/>
<input type="radio"/> Experiment	<input type="text" value="EXPT_SET_NAME"/> <input type="button" value="▼"/>
<input type="radio"/> experiment_set	<input type="text" value="EXPT_SET_ID"/> <input type="button" value="▼"/>
<input type="radio"/> data_sets	<input type="text" value="PROCESS_ID"/> <input type="button" value="▼"/>

**SEARCHABLE ANNOTATION FIELDS**

<input type="radio"/> Annotation	<input type="text" value="Link ID"/> <input type="button" value="▼"/>
<input checked="" type="radio"/> Annotation Data	<input type="text" value="GUID"/> <input type="button" value="▼"/>
<input type="radio"/> Suggested Analysis Methods	Describe Gene
<input type="radio"/> Reference Data	Functional Theme in Cluster
<input type="radio"/> Keyword Data	Spotfire Row Relevance of Observation

1010

1020

1030

FIG. 10C